

112

PROCESS AND PROPERTIES INDEX

The peculiarities of protein digestion in blood-sucking and raptorial leeches (*Hirudo medicinalis* and *Haemopsis sanguisuga*). P. A. Korzhuev and S. R. Khudaiberdeev. *Bull. Acad. Sci. USSR Div. Chem. Sci. Ser. B*, 443-5 (1967) (in English). - The blood reservoir, stomach and hind gut of the leeches *Hirudo medicinalis* (I) and *Haemopsis sanguisuga* (II) were tested for protease on a casein substrate at pH 8. In each case only the stomach showed pos. activity. A pos. test was also obtained when chymotrypsin was used as substrate. The addn. of blood reservoir ext. to a stomach ext. of I or II known to contain protease resulted in its inhibition. Trypsin, pike and pig protease were not inhibited by the blood reservoir extract. There is a direct connection between the process of inhibition and the presence of "lime bodies" which appear in the leech blood reservoir in the summer. The "lime bodies" show the inhibiting effect. S. A. Karjala

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

FROM ADMIRAL

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111

The urea and chloride contents of the blood of fresh-water teleosts under experimental variation of the osmotic conditions of the environment. P. A. Korzhuev. *Bull. Acad. med. exp. U.S.S.R.*, 6, 411-12 (1958) (in English).-- When fresh-water carp are transferred to 0.5% and 1.0% NaCl solns, the blood Cl increases 48 and 183%, resp. No appreciable variation in the urea content was found. S. A. Karjala

ASACSLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND COLUMNS										3RD AND 4TH COLUMNS									
PROCESSES AND PROPERTIES INDEX																			
<p><i>ca</i> 118</p> <p>Urea and chlorides in the blood of the sea Onneldei. P. A. Karalucy. <i>Bull. biol. med. exp. U. R. S. S. 6</i>, 138 9; <i>Chem. Zentr.</i> 1936, II, 2005. Tests were made on <i>Aspenser stellatus</i>, <i>steno</i> and <i>homo</i>. The blood was found to contain about 20 mg. % urea and 318-48 mg. % chlorides. M. G. Moore</p>																			
<p>1ST AND 2ND COLUMNS</p> <p>3RD AND 4TH COLUMNS</p> <p>5TH AND 6TH COLUMNS</p> <p>7TH AND 8TH COLUMNS</p> <p>9TH AND 10TH COLUMNS</p> <p>11TH AND 12TH COLUMNS</p> <p>13TH AND 14TH COLUMNS</p> <p>15TH AND 16TH COLUMNS</p> <p>17TH AND 18TH COLUMNS</p> <p>19TH AND 20TH COLUMNS</p> <p>21ST AND 22ND COLUMNS</p> <p>23RD AND 24TH COLUMNS</p> <p>25TH AND 26TH COLUMNS</p> <p>27TH AND 28TH COLUMNS</p> <p>29TH AND 30TH COLUMNS</p> <p>31ST AND 32ND COLUMNS</p> <p>33RD AND 34TH COLUMNS</p> <p>35TH AND 36TH COLUMNS</p> <p>37TH AND 38TH COLUMNS</p> <p>39TH AND 40TH COLUMNS</p> <p>41ST AND 42ND COLUMNS</p> <p>43RD AND 44TH COLUMNS</p> <p>45TH AND 46TH COLUMNS</p> <p>47TH AND 48TH COLUMNS</p> <p>49TH AND 50TH COLUMNS</p> <p>51ST AND 52ND COLUMNS</p> <p>53RD AND 54TH COLUMNS</p> <p>55TH AND 56TH COLUMNS</p> <p>57TH AND 58TH COLUMNS</p> <p>59TH AND 60TH COLUMNS</p> <p>61ST AND 62ND COLUMNS</p> <p>63RD AND 64TH COLUMNS</p> <p>65TH AND 66TH COLUMNS</p> <p>67TH AND 68TH COLUMNS</p> <p>69TH AND 70TH COLUMNS</p> <p>71ST AND 72ND COLUMNS</p> <p>73RD AND 74TH COLUMNS</p> <p>75TH AND 76TH COLUMNS</p> <p>77TH AND 78TH COLUMNS</p> <p>79TH AND 80TH COLUMNS</p> <p>81ST AND 82ND COLUMNS</p> <p>83RD AND 84TH COLUMNS</p> <p>85TH AND 86TH COLUMNS</p> <p>87TH AND 88TH COLUMNS</p> <p>89TH AND 90TH COLUMNS</p> <p>91ST AND 92ND COLUMNS</p> <p>93RD AND 94TH COLUMNS</p> <p>95TH AND 96TH COLUMNS</p> <p>97TH AND 98TH COLUMNS</p> <p>99TH AND 100TH COLUMNS</p>																			

PROCESSING AND PROPERTY INDEX																									
COMMON ELEMENTS													PROPERTY INDEX												
<p>CA</p> <p>Seasonal variation of the intensity of utilization of oxygen by the erythrocytes of poikilothermic animals. P. A. Korshuev. <i>Doklady Akad. Nauk S. S. S. R.</i> 60, 1605-6(1948).—In poikilothermic animals the utilization of O by erythrocytes undergoes considerable seasonal variations. Thus, in <i>Rana temporaria</i>, the period between March and September signifies a period of high utilization with a max. in June-July (105 cu. mm. per l cc.); the min. occurs in December (41.2); the figures are av. Analogous results were obtained in <i>R. ridibunda</i> and in turtles. The variation is probably caused by the variation of the intensity level of erythropoiesis. G. M. K.</p> <p>111</p>																									
<p>ASH-SLA DETALLURGICAL LITERATURE CLASSIFICATION</p>																									

I. AND 2ND ORDER																										3RD AND 4TH ORDER																									
PROCEDURES AND PROPERTIES INDEX																										PROCEDURES AND PROPERTIES INDEX																									
<p>Concentration of hemoglobin and intensity of oxygen consumption by erythrocytes of vertebrates. P. A. Korshov. <i>Doklady</i> 10, 338-40(1949); cf. C.A. 42, 8350. — The hemoglobin content of erythrocytes of most vertebrates is about the same, and equals 30-35%, provided the vol. of the nucleus (which does not contain erythrocytes) is subtracted. Exceptions are some fishes and amphibia, whose erythrocytes contain as little as 20% hemoglobin. The O consumption of different vertebrate erythrocytes is also the same, and is equal to 60-70 μl. of O per hr. for 1 ml. erythrocytes at 25°. H. Priestley</p>																										<p>112</p>																									
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CA 11f

Utilization of oxygen by blood erythrocytes of the vertebrates. P. A. Kosolapoff. *Dokl. Akad. Nauk SSSR*, Moscow. *Obshchest. Spetsial. Prirody* (Bull. soc. naturalistes Moscow), *Otdel Biol.* 33, No. 8, 82-92(1930); cf. C.A. 43, 9271a.— Consumption of O by erythrocytes of 24 various species of vertebrates was detd. Nucleated cells are much more active than nonnucleated ones. While studies were made at 15°, 25°, 37°, and 47°, only the 25° detns. may be used comparatively for both poikilothermic and homiothermic specimens; in this case the intensity of utilization calcd. to 1 ml. of erythrocyte vol. is the same for both groups of animals regardless of their position on the evolutionary scale (50-70 cu. mm. O/hr.). At higher temps. the hindering effect of temp. on erythrocyte respiration in poikilothermic animals becomes evident. Inactivation by high temp. is most

rapid in fish and amphibia, least in birds and mammals.

G. M. Kosolapoff

Physiological peculiarities of erythrocytes of cordate fish (concentration of hemoglobin and intensity of oxygen utilization). P. A. Korzhuev and N. Bulatova. *Doklady Akad. Nauk S.S.S.R.* 70, 149-51 (1950).—Erythrocytes taken from blood by heart puncture of *Raja clavata* (I) and *Trygon pastinaca* (II) show the following characteristics: Blood of I and II contains few erythrocytes, but these are large (1000 cu. μ) with a high sedimentation rate; hemoglobin is 2.5-4.5 g./100 ml. of blood and the av. concn. in erythrocytes is about 19-20%. O consumption about

equals that for other vertebrates, i.e. at 25° for 1 cc. of erythrocytes it is 50 cu. mm./hr. G. M. Komolov

Consumption of oxygen by erythrocytes of amphibia
(*Molge cristata* and *Ptychocheilus anguineus*). P. A. Kos-
zhuev (A. N. Severtsov Inst. Animal Morphol., Acad.
Sci. U.S.S.R.). *Doklady Akad. Nauk S.S.S.R.* 72, 979-
80 (1950); cf. *C.A.* 43, 9271c. —Although *P. anguineus*
has a lower erythrocyte count it also has a larger erythro-
cyte volume (averaging 8180 cu. μ). Consumption of
O calcd. per 1 ml. erythrocyte volume is similar for all
tailed amphibia: 65-70 cu. mm. per hr. at 25°; but when
calcd. in terms of no. of erythrocytes *M. cristata* gives 118
cu. mm. O per hr. per billion cells, while *P. anguineus*
gives 607 cu. mm. G. M. Kosolapoff

KOROTKEYEV, F. A.; BULATOVA, N. N.

Blood - Corpuscles and Platelets

Respiratory function of the blood of dolphins. Trudy Inst. morf. zhiv. no. 6, 1952.

pp 151-164

" Investigation of the blood of three species of Black Sea porpoises indicated that the concentration of hemoglobin in the erythrocytes of all three species is higher than in erythrocytes of land animals. This must be regarded as a form of adaptation to aquatic life." W-24959

9. Monthly List of Russian Accessions, Library of Congress, November 1956, Uncl.
2

KORZHUYEV, P. A.; Bulatova, N. N. ;

Laboratory of General and Comparative Physiology, Institute of Animal Morphology imeni
A. N. Severtsov, Academy of Sciences USSR

"Erythrocytes and Hemoglobin of the Black Sea Pelamyd (Pelamys Sarda)"

SOURCE: Trudy Inst Morfol Zhivotnykh imeni A. N. Severtsova, Issue 6, pp 165-167, 1952

W-24959

KORZHUYEV, P. A.

Laboratory of General and Comparative Physiology, Institute of Animal Morphology imeni
A. N. Severtsov, Academy of Sciences USSR

"The Content of Erythrocytes and of Hemoglobin in the Blood of Krapchatyy Suslik During
the Period of Hibernation"

SOURCE: Trudy Inst Morfol Zhivotnykh imeni A. N. Severtsova, Issue 6, pp 168-172, 1952

W-24959

KORZHUYEV, P. A.

Blood - Corpuscles and Platelets

Erythrocyte and hemoglobin content in the blood of Citellus suslica during the hibernation period. Trudy Inst. morf. zhiv. no. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1957, Uncl.

2

1. KORZHENYEV, P. A., NIKOL'SKAYA, I. S.
2. USSR (600)
4. Blood - Corpuscles and Platelets
7. Quantity of haemoglobin and erythrocytes in the blood of grey and black karakul sheep. Trudy Inst. morf. zhiv. no. 7, 1952.
9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

1. KORZHUYEV, P. A. RADZINSKAYA, L. I
2. USSR (600)
4. Karakul Sheep
7. Proteolytic enzymes of the digestive tract of karakul sheep. Trudy Inst, morf. zhiv. no 7'52.
)
9. Monthly List of Russian Accessions. Library of Congress, March 1953. Unclassified.

KORZHUYEV, P.A.

Forms of localization and quantities of hemoglobin in blood in
various animals. Usp. sovern. biol. 33 no. 3:391-408 May-June 1952.

(CML 22:4)

1. Moscow.

KORZHUYEV, P.A.; GOL'DFARB, N.L.

Some ecological and physiological characteristics of the
blood of hares (blue and brown) and domestic rabbits.

Zool. zhur. 33 no.6:1384-1389 M-D '54.

(MIRA 8:2)

1. Institut morfologii zhivetnykh im. A.N.Severtseva Akademii
nauk SSSR.

(Hares)(Rabbits)(Blood)

SHMIDT, P.Yu.; KORZHUYEV, P.A., doktor biologicheskikh nauk, redaktor;
STRELKOV, A.A., redaktor; SMIRNOVA, A.V., tekhnicheskiy redaktor

[Anabiosis] Anabioz. 4-oe izd. Moskva, Izd-vo Akad. nauk SSSR,
1955. 435 p. (MIRA 8:7)
(Resuscitation)

KORZHUYEV, P.A.

Some aims in studying the physiology of metabolism in fishes.
Vop.ikht. no.5:21-27 '55. (MLBA 9:5)

1. Institut morfologii shivotnykh imeni A.N. Severtsova Akademii
nauk SSSR.

(Fishes--Physiology)

KORZHUYEV, P. A. (Moskva)

Respiratory function of the blood and its relation to the vertebrate skeleton. Usp.sovr.biol. 39 no.2:163-183 Mr-Apr '55.(MLBA 8:7)

(BLOOD,

resp. funct., relation to skeleton in vertebrates)

(RESPIRATION,

blood resp. funct., relation to skeleton in vertebrates)

(SKELETON,

relation of blood resp. funct. to skeleton in vertebrates)

STROGANOV, N.S.; KORZHUYEV, P.A., redaktor; MAKAROV, B.M., redaktor;
ASTAF'YEVA, G.A., tekhnicheskii redaktor.

[Physiological adaptability of fishes to the temperature of
the environment] Fisiologicheskaya prispособlennost' ryb k
temperature sredy. Moskva, Izd-vo Akademii nauk SSSR, 1956.
151 p. (MIRA 9:6)
(Gambusia) (Temperature--Physiological effect) (Acclimatization)

USSR / Farm Animals. Cattle.

Q-2

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 64440

Author : Korzhuyev, P. A.

Inst : Not given

Title : On the Biological Bases of the Fat Content in the Milk

Orig Pub : Uspekhi sovrem. biologii, 1956, 42, No. 2, 215-228

Abstract : The fat content (FC) in the milk of cows constitutes a conservative quality, and despite a number of extraneous stimulations (feed rations, udder massage, compresses), remains almost unchanged during a number of years. Thus, for instance, for 10 years (from 1942 through 1951) in the herd of the sovkhos "Karavayevo" the milk yields increased by 19% and the FC remained actually unchanged. The basic and most effective method of increasing the FC is the development and propagation of animals with a high FC which would transmit this quality by inheritance. In order to be able to select

Card 1/2

KORZHUJEV, PA

KORZHUYEV, P.A.; RADZINSKAYA, L.I.

Micromethod for the determination of hemoglobin. Vop. ikht.no.9:
192-196 '57. (MIRA 11:1)

1. Institut morfologii zhivotnykh Akademii nauk SSSR.
(Hemoglobin) (Blood--Analysis and chemistry) (Pyramidone)

KORZHUYEV, P. A.

USSR/Farm Animals, General Problems.

Q-1

Abs Jour : Ref Zhur -- Biol., No 1, 1958, 2528

Author : P.A. Korzhuyev, I.S. Nikol'skaya, L.I. Radzinskaya

Inst : -

Title : The Blood of Farm Animals as an Internal Indicator.

Orig Pub : Zh. obshch. biologii, 1957, 18, No 2, 121-136 (English Resume)

Abstract : In order to identify the peculiarities of interbreeds according to certain internal indicators of zootechnical properties, the authors made a complete blood count on the animals (by the method of introducing into the blood a solution of the vital trypan blue dye). The volume of blood corpuscles (by hematocrite) the number of erythrocytes in one cubic milliliter of blood, and the amount of hemoglobin, in certain breeds of large horned cattle (the Dagestan Brown and the Swiss breed) were determined. A similar examination was performed on sheep (the Soviet Merino,

Card 1/2

USSR/Farm Animals. General Problems.

Q-1

Abs Jour: Ref Zhur - Biol., No 22, 1958, 101140

Author : Korzhuyev, P.A.

Inst : Institute of Animal Morphology, AS USSR

Title : The Correlation of Blood and Skeleton Characteristics in the Individual Development of Farm Animals.

Orig Pub: Tr. In-ta morfol. zhivotnykh. AN SSR, 1957, vyp. 22, 47-52

Abstract: Counts reflecting the entire blood amount and its components in the organism (Hb and erythrocyte counts) are not only of theoretical but also of practical significance. The blood

Card 1/3

KORZHUYEV, P.A.; KRUGLOVA, G.V.; SVIRIDOVA, A.N.

Some ecological and physiological characteristics of reptiles [with summary in English]. Zool. zhur. 36 no.2:246-259 F '57. (MLRA 10:6)

1. Institut morfologii zhivotnykh Akademii nauk SSSR.
(Reptiles)

KORZHUYEV, P.A.

20-4-51/51

AUTHORS: Korzhuyev, P. A. , and Galkina, V. P.

TITLE: The Amount of Blood and Hemoglobin in the Organism of Birds During the Period of Incubation (Kolichestvo krovi i gemoglobina v organizme ptits v period inkubatsii)

PERIODICAL: Doklady AN SSSR, 1957, Vol. 116, Nr 4, pp. 710 - 712 (USSR)

ABSTRACT: One of the most important functions of the blood is its breathing function. Comparing-physiological knowledge concerning the blood of vertebrates says that the amount of blood and the supply of the organism with hemoglobin increases with the activity and movability of the animal. However, in this connection differ not only the great animal groups, but there are differences among some groups of the same species in various stages of ontogenesis. In the embryo of the sheep "Sovetskiy merinos" the amount of blood increases rapidly with the third month of embryonic life and reaches its maximum with the birth. This applies also for the human embryo . The blood of the newborn child contains more red blood corpuscles and hemoglobin than its mother's blood. This is according to the one standpoint the consequence of a chance partial transition of blood from the placenta to the vascular system of the embryo; the placen-

Card 1/3

Card 2/3 ly greater relative weight of the skeleton (the double or triple amount of that of the mother) and a heart index double as great as

The Amount of Blood and Hemoglobin in the Organism of Birds During the Period of
Incubation

20-4-5/51

that of the mother. These differences cannot be found in the case of birds. However, the organs not connected with oxygen transport of birds and mammalia show scarcely any differences what regards their weight. The authors think it most expedient to explain these peculiarities of the organs of birds and mammalia by the dependence of the specific weight of these organs on the level of supply with oxygen of the organism. There are 2 tables, and 13 references, 6 of which are Slavic.

ASSOCIATION: Institute for Animal Morphology imeni A. N. Severtsov AN USSR
(Institut morfologii zhivotnykh im. A. N. Severtsova Akademii nauk SSSR)

PRESENTED: December 24, 1956, by I. I. Shmal'gauzen, Academician

SUBMITTED: December 24, 1956

AVAILABLE: Library of Congress

Card 3/3

KORZHUYEV, P.A., doktor biol.nauk

Ecologico-physiological characteristics of some fishes. Trudy sov.
Ikht.kom. no.8:364-371 ' 58. (MIRA 11:11)

1. Institut morfologii zhivotnykh AN SSSR,
(Fishes--Physiology)

KORZHUYEV, P.A.; RADZINSKAYA, L.I.

Amount of hemoglobin and hemolymph in larvae of the midge *Chironomus plumosus*. Vop. ikht. no. 10:139-143 '58. (MIRA 11:10)

1. Institut morfeologii zhivotnykh AN SSSR.
(Chironomidae) (Hemoglobin)

CHIZHEVSKIY, Aleksandr Leonidovich, prof.; KORZHUYEV, P.A., doktor biolog.
nauk, otv.red.; TRINCHER, K.S., red.izd-va; ASTAP'YEVA, T.A.,
tekhn.red.

[Structural analysis of circulating blood] Strukturnyi analiz
dvizhushcheisia krovi. Moskva, Izd-vo Akad.nauk SSSR, 1959.
473 p. (MIRA 12:12)

(ERYTHROCYTES)

KORZHUYEV, P.2.; KORETSKAYA, T.I.

Some ecologico-physiological characteristics of birds and flying
mammals. Zhur.ob.biol. 20 no.5:390-397 S-O '59. (MIRA 13:1)

1. Institut morfologii zhivotnykh im. A.N. Severtsova AN SSSR.
(BIRDS) (BATS) (MORPHOLOGY (ANIMALS))

KORZHUYEV, P.A.; NIKOL'SKAYA, I.S.; RADZINSKAYA, L.I.

Some characteristics of the respiratory function of fetal
blood in the Soviet merino sheep. Trudy Inst.morf.zhiv.
no.23:231-249 '59. (MIRA 13:2)
(Merino sheep) (Fetus--Respiration and cry)
(Blood--Analysis and chemistry)

KORZHUYEV, P.A.; AKATOVA, N.N.; ZUBINA, N.F.

Some morphological and physiological characteristics of amphibians
in ontogenesis [with summary in English]. Zool. zhur. 38 no.4:579-588
Ap '59. (MIRA 12:5)

1. Institute of Animal Morphology, Academy of Sciences of the
U.S.S.R., Moscow.

(Amphibia)

KORZHUYEV, P.A. (Moskva)

Hemoglobin as a factor of adaptation to hypoxia. Usp.sovr.
biol. 47 no.3:329-346 My-Je '59. (MIRA 12:10)
(ANOXIA, blood in
hemoglobin as factor in adaptation, review (Rus))
(HEMOGLOBIN
relation to adaptation to anoxia, review (Rus))

TRINCHER, Karl Sigmundovich; KORZHUJEV, P.A., doktor biolog.nauk, otv.red.;
KOLOMIYETSEVA, I.K., red.izd-va; MAKONI, Ye.V., tekhn.red.

[Heat-forming function and the alkali reaction in lung tissue]
Teploobrazovatel'naya funktsiya i shchelochnost' reaktsii legochnoi
tkani. Moskva, Izd-vo Akad.nauk SSSR, 1960. 105 p.

(MIRA 14:3)

(LUNGS)

KORZHUYEV, P.A.; NIKOL'SKAYA, I.S.; RADZINSKAYA, L.I.

Respiration of sturgeon eggs during incubation. Vop.ikht. no.14:
113-118 '60. (MIRA 13:8)

1. Institut morfologii zhivotnykh im. A.N.Severtsova Akademii
nauk SSSR.

(Embryology--Fishes) (Respiration) (Sturgeons)

KORZHUYEV, P.A.

Differences in blood volume and skeletal weight during the embryonic period in mammals and birds and their biological principles. Trudy Inst.morf.shiv. no.31:51-59 '60. (MIRA 13:6)

1. Institut morfologii shivotnykh im. A.N. Severtsova AN SSSR.
(BLOOD VOLUME) (SKELETON)

KORZHUYEV, P.A.; NIKOL'SKAYA, I.S.

The amount of bone marrow in a reindeer. Dokl.AN SSSR 134 no.1:
225-228 S '60. (MIRA 13:8)

1. Institut morfologii zhivotnykh im. A.N.Severtsova Akademii nauk
SSSR. Predstavleno akad. A.N.Bakulevym.
(REINDEER) (MARROW)

KORZHUYEV, P. A. (USSR)

"Quantitative Characterization of Haemoglobin and Myoglobin of
Various Groups of Vertebrates."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

KORZHUYEV, P.A.; NIKOL'SKAYA, I.S.; RADZINSKAYA, L.I.

Physiological characteristics of postnatal development in
Soviet and French Merino sheep. Trudy Inst. morf. zhiv. no.35:
208-214 '61. (MIRA 14:6)

(Sheep--Physiology)
(Blood--Analysis and chemistry)

KORZHUYEV, P.A.

Adaptive characteristics of the blood in mammals.
no. 41:5-10 '63.
(Adaptation (Biology))

(Blood)

Trudy Inst. morf. zhiv.
(MIRA 16:4)
(Mammals)

KORZHUYEV, P.A.; KORETSKAYA, T.I.

Ecologic and physiologic characteristics of the blood in shrews and moles.

Trudy Inst. morf. zhiv. no. 41:129-136 '63.

(MIRA 16:4)

(Shrews)

(Moles (Animals))

(Blood)

KORZHUYEV, P.A.

Ecological and physiological characteristics of the blood of
sturgeons.. Vop.ikht. 3 no.1:152-157 '63. (MIRA 16:2)

1. Institut morfologii zhivotnykh imeni Severtsova AN SSSR,
Moskva.

(Sturgeons)

(Blood--Analysis and chemistry)

KORZHUYEV, P.A. (Moskva)

Gravitational forces and phylogeny in vertebrates. Usp. sovr.
biol. 60 no.2:271-286 S-O '65. (MIRA 18:10)

1. Institut morfologii zhivotnykh im. A.N. Severtsova AN SSSR.

KORZHUYEV, S.S.

Geomorphological explorations in the region of the Luchinkinskoye
Upland (Western Siberia). Trudy Inst.geog. no.58:37-48 '53.
(Luchinkinskoye Upland---Physical geography) (MIRA 8:4)

KORZHUYEV, S.S.

Alteration in the network of streams and the youth of the main
watershed between the Pacific and Arctic Oceans. Izv. AN SSSR
Ser.geog.no.1:53-68 Ja-F '56. (MLRA 9:7)

1. Institut geografii AN SSSR.
(Transbaikalia--Watersheds)

KORZHUYEV, S.S.; TIMOFEEV, D.A.

Fluvial beach ridges and the role of river ice in forming their
microrelief (rivers of southern Yakutia). Trudy Inst.geog.68:69-95
'56. (MIRA 9:9)
(Yakutia--Rivers) (Yakutia--Ice on rivers, lakes, etc.)

KORZHUYEV, S.S.; NIKOLAYEV, S.S.

Types of permafrost karst and some features of its development.
Izv. AN SSSR. Ser. geog. no.6:33-46 N-D '57. (MIRA 11:1)

1. Institut geografii AN SSSR i Nauchno-issledovatel'skiy geologo-
razvedochnyy institut zolota.
(Karst) (Frozen ground)

3(G)

PLANE 1 DOCK DETECTION NOV/27/61

Abstracts and Notes. Initial progress.

Copyright Clearance Center, Inc. / **Problems in Physical Geography**
Series, Issue in Earth, 1998. 310 p. Barnes also inserted.
2,500 copies printed.

Assoc. Ed.: G.D. KILMER, Sector of Geographical Sciences,
Institute of Publishing House: D.H. TIGULOV;
Tech. Ed.: N.D. BOVLOVA.

FEATURES: This book is intended for meteorologists, hydrologists, pedologists, geologists, and students of physical geography in general.

Comments: These articles are dedicated to Academician A. A. Gerasimov in commemoration of his seventy-fifth birthday. Gerasimov is an eminent figure in Soviet physics, particularly relating to the northern regions of the USSR and productivity there of Yakutia. The majority of the articles are devoted to questions of latitudinal and vertical zonation and contain much factual material on the relationship between the various types of vegetation, the physical environment and meteorological conditions in the arctic. Most articles are based on the author's own research, and several include photographs and numerous illustrations.

100-21768

**February 24: Attempt to Divide the Territory of
Mexico into Two Large Internal Units**

Inventory, H.S. Geobotanical Zoning of the Eastern Part of the Central Taimyrskaya Plateau 298

Bureau, D.D. The Origin and Evolution of "Guns" in America

**Abstractor, D. A. Problems in the Dynamics of Surface
Breaking in the Apple in Connection with the Origin
of "Ingham's" Sound**

Smith, L.J. Parental Prests and Isolated Landforms in the Northwestern Part of the West Siberian Plains 323

Geology, V.I., and B.G. Predtka. The Volant Expedition of the Academy of Sciences of the USSR 1925-1930 and Its Studies in Physical Geography

U.S. GOVERNMENT PRINTING OFFICE: 1964

251-59

SECRET

KORZHUPEV, S.S.

KORZHUYEV, S.S.; DUMITRASHKO, N.V., doktor geogr.nauk, otv.red.; VOLYNSKAYA,
V.S., red.isd-vz; NOVICHKOVA, N.D., tekhn.red.

[Geomorphology of the central Lena Valley and adjacent regions]
Geomorfologiya doliny srednei Leny i priliegaiushchikh raionov.
Moskva, Izd-vo Akad.nauk SSSR, 1959. 148 p. (MIRA 12:12)
(Lena Valley—Geology, Structural)

SOV/10-59-3-10/32

3(5)

AUTHOR: Korzhuyev, S.S.

TITLE: Traces of Former Glaciation in the Mountains "Stanovoy khrebet" and "Olekminskiy stanovik"

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1959, Nr 3, pp 80-85 (USSR)

ABSTRACT: The author states that there are definite traces of former glaciation in the mountains referred to in the title. He asserts this in particular about the following 6 areas: 1) the Northern section of the Stanovoy khrebet; 2) the upper parts of the Verkhniy Sirik river; 3) the upper parts of the Nal'd'ykan river; 4) the basin in the upper parts of the Kabaktan river; 5) the crests surrounding the Kurtakh river; 6) the Chel'baus crest located in the North-West section of the Olekminskiy stanovik. The following traces of glaciation are enumerated: a) abundance of kars; b) circus-shaped crests surrounding valleys; c) glacial troughs; d) glacial lakes. A chart showing the location of the most important kars, kar cirques and glacial lakes

Card 1/2

KORZHUYEV, S.S.

Geomorphology of the central Lena Valley and adjacent parts of the
Lena Plateau. Vop. geog. no.46:100-118 '59. (MIRA 12:12)
(Lena Valley--Physical geography)

KORZHUYEV, S.S.; TIMOFEEV, D.A.

Geomorphological terminology. Vop. geog. no. 46:142-156 '59.
(MIRA 12:12)

(Physical geography--Terminology)

KORZHUYEV, S.S.

Geomorphological structure of the central Lena Valley in connection
with its effective reclamation. Trudy Inst.geog. 78:5-73 '59.

(MIRA 12:7)

(Lena Valley--Physical geography)

KORZHUYEV, S.S.

Geomorphology of the northwestern part of the Stanovoy Range
and its southern margins. Trudy Inst.geog, 78:74-123 '59.
(MIRA 12:7)

(Stanovoy Range--Physical geography)

KORZHUYEV, S.S.

Shearing of slopes in central Siberia. Trudy Inst.geog. 78:200-206
'59. (MIRA 12:7)

(Siberia--Geology, Structural)

KORZHUYEV, S. S.

"Comparative Characteristics of the Morphostructure and Morphosculpture
of the Aldan and the Baltic Shields."

report to be submitted for the Intl. Geographical Union, 10th General Assembly and
19th Intl. Geographical Congress, Stockholm, Sweden, 6-13 August 1960.

KORZHUYEV, Sergey Sergeyevich; GILLER, S.Yu., doktor geograf.nauk, otv.
red.; TUGARINOV, D.N., red.izd-va; VOLKOVA, V.V., tekhn.red.

[Relief of the Pripyat' Poles'ye Region; structural characteristics
and main features of the development] Rel'ef Pripiatskogo Poles'ia;
strukturnye osobennosti i osnovnye cherty razvitiia. Moskva, Izd-vo
Akad.nauk SSSR, 1960. 139 p. (MIRA 13:3)
(Pripyat' Valley--Geology, Structural)

KORZHUYEV, S.S.

Morphological characteristics of the Siberian Platform relief
and neotectonics. Izv.AN SSSR.Ser.geog. no.4:11-23 J1-Ag
'60. (MIRA 13:7)

1. Institut geografii AN SSSR.
(Siberian Platform--Geology, Structural)

GERASIMOV, I.P.; GELLER, S.Yu.; DUMITRASHKO, N.V.; KAMANIN, L.G.; KORZHUYEV,
S.S.; MESHCHERYAKOV, Yu.A.; FEDOROVICH, B.A.

In memory of Academician N.S.Shatskii. Izv. AN SSSR. Ser. geog.
no.6:146-147 N-D '60. (MIRA 13:10)
(Shatskii, Nikolai Sergeevich, 1895-1960)

~~KORZHEV, S.S.~~

Dunes and their formation as exemplified by dunes in the Lena
Valley. Trudy Inst. geog. 80:3-29 '60. (MIRA 13:8)
(Lena Valley--Sand-dunes)

KORZHUYEV, S.S.; TIMOFEYEV, D.A.; CHICHAGOV, V.P.

An interesting monograph on the morphostructure of the Lake Baikal region ("Mesozoic and Cenozoic depressions of the Lake Baikal region" by N.A.Florensov. Reviewed by S.S.Korzhuev, D.A.Timofeev, V.P.Chichagov). Izv.AN SSSR.Ser.geog. no.3:129-133 My-Je '61.

(MIRA 14:5)

(Baikal Lake region--Geology, Structural)
(Florensov, N.A.)

KAMANIN, L.G.; KORZHUYEV, S.S.

Position of geomorphology in the system of sciences; in connection
with the new edition of I.S.Shchukin's "General geomorphology."
Izv. AN SSSR. Ser. geog. no. 4:118-126 J1-Ag '61. (MIRA 14:7)
(Geomorphology)

KORZHUYEV, S.S.; FEDOROVA, R.V.

The Chokurovka mammoth and its life conditions. Dokl. AN SSSR
143 no.1:181-183 Mr. '62. (MIRA 15:2)

1. Institut geografii AN SSSR. Predstavleno akademikom
V.N.Sukachevym.

(Chokurovka Region--Mammoth)

GNEVUSHEV, Mikhail Andreyevich; KORZHUYEV, S.S., st. nauchn.
sotr., kand. geogr. nauk, retsenzent; KIND, N.V., kand.
geol.-miner. nauk, retsenzent; VASIL'YEV, A.F., retsenzent;
RODIONOVA, F.A., red.; KISELEVA, M.D., red.kart; KARPOVA,
T.V., tekhn. red.

[Yakut diamonds] Iakutskie almazy. Moskva, Uchpedgiz, 1963.
102 p. (MIRA 16:12)

1. Institut geografii AN SSSR (for Korzhuyev). 2. Yakutskiy
institut usovershenstvovaniya uchiteley (for Vasil'yev).
(Yakutia--Diamonds)

BANDMAN, M.K.; BUYANTUYEV, B.R.; POMUS, M.I.; RADNAYEV, G.Sh.;
GOLOVKIN, D.A.; GRIGOR'YEVA, A.A.; KROTOV, V.A.;
DONCHENKO, K.Ya.; KORZHUYEV, S.S.; SHATSILO, Ye.S.;
KOSMACHEV, K.P.; NAUMOV, G.V.; LIKHANOV, B.N.; PETUKHOV,
V.G.; TIKHONOV, A.V.; NEDESHEV, A.A.; SIMANOVSKIY, G.M.;
SHAKHUNOVA, P.A.; SHOTSKIY, V.P.; YEROFEYEV, I.A., red.;
POLOZHENTSEVA, T.S., mladshiy red.; GOLITSYN, A.B., red.
kart; VILENSKAYA, E.M., tekhn. red.

[Eastern Siberia; economic geography] Vostochnaya Sibir';
ekonomiko-geograficheskaya kharakteristika. Moskva, Geog-
rafizdat, 1963. 885 p. (MIRA 16:10)
(Siberia, Eastern--Economic geography)

KORZHUYEV, S.S.

Morphostructure and recent tectonics of the northeastern U.S.S.R.;
based on the example of eastern Yakutia. Izv. AN SSSR. Ser. geog.
no.3:3-15 My-Je '63. (MIRA 16:8)

1. Institut geografii AN SSSR.
(Yakutia--Geology, Structural)

KORZHUYEV, S.S.

Natural erosion in the zone of perennial congelation. Izv. AN
SSSR. Ser. geog. no.3:48-52 '64. (MIRA 17:6)

1. Institut geografii AN SSSR.

REZANOV, Igor' Aleksandrovich; KORZHUYEV, S.S., otv. red.

[Problems of the latest tectonics of the northeastern
U.S.S.R.] Voprosy noveishei tektoniki Severo-Vostoka
SSSR. Moskva, Nauka, 1964. 145 p. (MIRA 18:1)

KORZHUYEV, S.S.

Karst of Yakutia. Trudy MOIP 15:67-72 '65.

(MIRA 18:9)

KORZHUYEV, S.S.

Median masses and their role in the morphostructural formation
of the earth's surface. Izv. AN SSSR. Ser. geog. no.6:5-16
N-D '65. (MIRA 18:11)

1. Institut geografii AN SSSR.

KORZHUYEV, S.S.; VITVITSKIY, G.N.; YEGOROV, O.V.; NAUMOV, S.N.;
 ZOL'NIKOV, V.G.; KARAVAYEV, M.N.; KACHURIN, S.P.;
 KOSMACHEV, K.P.; Primalni uchastiyet KORONKEVICH, N.I.;
 D'YAKONOV, F.V.; GERASIMOV, I.P., akademik, red.;
 PREOBRAZHNESNIIY, V.S., red.; RIKHTER, G.D., red.; ABRAMOV, L.S.
 red.; ARMAND, D.L., red.; GELLER, S.Yu., red.; ZONN, S.V., red.;
 DZERDZHEYEVSKIY, B.L., red.; KOMAR, I.V., red.; LAVRENKO, Ye.M.,
 red.; LEONT'YEV, N.F., red.; LETUNOV, P.A., red.; L'VOVICH,
 M.I., red.; MESHCHERYAKOV, Ya.A., red.; MINTS, A.A., red.;
 MURZAYEV, E.M., red.; NASIMOVICH, A.A., red.; POKSHISHEVSKIY,
 V.V., red. p POMUS, M.I., red.; ROZOV, N.N., red.; SOCHAVA, V.B.,
 red.; FORMOZOV, A.N., red.; YANSHIN, A.L., red.

[Yakutia] IAKutiia. Moskva, Nauka, 1965. 464 p. (MIRA 18:8)

1. Akademiya nauk SSSR. Institut geografii. 2. Institut geogra-
 fii AN SSSR (for Korzhuyev, Vitvitskiy). 3. Yakutskiy filial
 Sibirskogo otdeleniya AN SSSR (for Yegorov). 4. Moskovskiy
 oblastnoy pedagogicheskoy institut im. N.K.Krupskoy (for Naumov).
5. Pochvennyy muzey AN SSSR (for Zol'nikov). 6. Moskovskiy go-
 sudarstvennyy universitet im. M.V.Lomonosova (for Karavayev).
7. Proizvodstvennyy nauchno-issledovatel'skiy institut stroitel'-
 stva Gosstroya SSSR (for Kacharin). 8. Institut geografii Sibiri
 i Dal'nego Vostoka Sibirskogo otdeleniya AN SSSR (for Kosmachev).

ARMAND, D.L.; GERASIMOV, I.P.; DUMITRASHKO, N.V.; KORZHUJEV, S.S.;
MESHCHERYAKOV, Yu.A.; MURZAYEV, E.M.

Sergei Vladimirovich Obruchev, 1891-1965; an obituary. Izv. AN
SSSR. Ser. geog. no.6:143-144 N-D '65. (MIRA 18:11)

KORZIKA, Lojze

Pulmonary tuberculosis in patients with resected stomach.
Zdrav. vest., Ljubljana 23 no.11-12:302-305 1954.

1. Pljučni oddelek kliničnih bolnic v Ljubljani-primarij ^(head physician)
dr. M. Karlin.

(STOMACH, surg.

gastrectomy, postop. pulm. tuberc., incidence,
clin. aspects & prev. (Slov))

(TUBERCULOSIS, PULMONARY,

after gastrectomy, incidence, clin. aspects prev. (Slov))

BRITISH MEDICAL JOURNAL Sec 15 Vol 13/2 Chest Dis. Feb 50

329. MINIMAL LESIONS IN PULMONARY TB - Minimalne tuberkulozne lezije
pluća - Korzika L. Ftiziol. Klin., Ljubljana - TUBERKULOZA 1958,
10/5 (261-273), Tables 9

The study includes 112 patients from the Phthisiological Department of the University Hospital in Ljubljana who have entered the hospital during the 5-year period between 1949 and 1953 because of minimal tb of the lungs. A follow-up of all these cases showed that at the end of the 3rd year of observation 13% of all active cases continued to be active and 72% have been arrested during this period but 5% of them relapsed again. From the 4th up to the 7th year the number of active cases decreased, but they never entirely ceased to exist. Three out of 65 patients died during the period. In all cases age was one of the factors determining the course of the disease. Minimal lesions were found to be the source of infection for members of the patient's family in 5%. No correlation was found between social factors and the course of the disease. However, the number of observations must be considered too small to permit any valid general conclusions. Furlan - Golnik

17(12)

SOV/177-58-5-6/30

AUTHORS: Korzin, D.A., Lieutenant-Colonel of the Medical Corps
Mironov, G.M., and Koblyanskiy, V.V., Captains of the
Medical Corps

TITLE: The Prophylaxis of Postoperative Suppurations (O pro-
filaktike posleoperatsionnykh nagnoyeniy)

PERIODICAL: Voenno-meditsinskiy zhurnal, 1958, Nr 5, pp 32-34
(USSR)

ABSTRACT: The article deals with the problem of direct indica-
tions for a wide application of antibiotics in re-
latively aseptic operations. Based on their exper-
iences in operations with the use of penicillin
and without it, the authors concluded that appendec-
tomy in chronic and acute catarrhal appendicitis,
herniotomy and other aseptic operations carried out
without antibiotics, have a good postoperative course.
In cases with obvious suspicion of an infection
(perforated gastric ulcer, volvulus, destructive
forms of appendicitis, etc.), the application of

Card 1/2

KORZKIN, N.S.

The ATB-100-L automatic loom for manufacturing tarpaulia
fabrics. Biul.tekh.-ekon.inform. no.6:52-54 '61. (MIRA 14:6)
(Looms)

KORZIN, N. V.

"Surface Coating of Equipment and Metal Constructions in Chemical Plants" (Okraska Oborudovaniya i Metallokonstruktsiy na Khimicheskikh Zavodakh), A. D. Kazin and N. V. Korzin, edited by N. S. Zevin, Goskhimizdat, Moscow/Leningrad, 1949, 64 pages, 3 rubles.

Material is based on research of the laboratories of the Lakokraspokrytiye Trust.

SO: Uspekhi Khimii, Vol 18, #6, 1949, #1, 1950 (W-10083)

KOLESNIKOVA, N. V.

USSR/Chemistry - Protective coatings

FD-3005

Card 1/1 Pub. 50 - 6/17

Authors : Kolesnikova, P. Yu., Korzin, N. V.

Title : Experience in the application of anti-corrosion lacquer, varnish,
 and paint materials at chemical plants

Periodical : Khim. prom. No 6, 345-350, Sep 1955

Abstract : The results of testing various anti-corrosion coatings at plants
 producing chlorine, nitrogen fertilizers, and superphosphate are
 reported. Five figures.

Institution : All-Union Office "Lakokraskopokrytiye" [Lacquer, Varnish, and
 Paint Coatings]

KORZIN, N.V.

Testing paint coatings for their weathering quality under conditions
of chemical (nitrogen fertilizer) production. Lakokras.mat. 1 kh
prim. no.4:70-73 '60. (MIRA 13:10)

(Protective coatings--Testing)

Z/011/62/019/001/017/017
E073/E136

AUTHORS: Korzin, N.V., Gurevich, Yu.M., and Ioshpe, M.L.

TITLE: Selection of varnish systems which are resistant to hot water

PERIODICAL: Chemie a chemická technologie. Přehled technické a hospodářské literatury, v.19, no.1, 1962, 38, abstract Ch 62-528. (Lakokras. Materialy, no.5, 1961, 67-68)

TEXT: The following varnishes were tried: epoxy, mixture of polyvinylbutaryl and cresolformaldehyde resin, phenolformaldehyde resin, nitrile rubber with cresolformaldehyde resin, oil-asphalt varnish with asbestos, amber, divinylacetylene (ethynol varnish), furfural resin. From the first test series, the three most satisfactory varnish systems were chosen, which are being subjected to further tests. These are: ethynol varnish, polyvinylbutaryl + cresolformaldehyde resin, and oil asphalt mastic. 2 tables.

Card 1/1 [Abstractor's note: Complete translation.]

KORZIN, N.V.; GUREVICH, Yu.M.; IOSHPE, M.L.

Selection of lacquer-paint coatings resistant to hot water..
Lakokras. mat. i ikh prim. no.5:67-68 '61. (MIRA 15:3)
(Protective coatings)

RONOV, A.B., GORSHKOVA, K.V., KORZINA, G.A., RATYNSKIY, V.M.

Iodine in Devonian sedimentary rock of the Tuimazy oil-bearing region. Dokl. AN SSSR 105 no.2:312-314 '55. (MLBA 9:3)

1. Institut geokhimii i analiticheskoy khimii imeni V.I. Vernadskogo Akademii nauk SSSR. Predstavleno akademikom A.P. Vinogradovym.

(Tuimazy--Iodine)

RONOV, A.B.; KORZINA, G.A.

Phosphorus in sedimentary rocks. Geokhimiia no.8:667-687 '60.
(MIRA 14:1)

1. V.I. Vernadskiy Institute of Geochemistry and Analytical Chemistry,
Academy of Sciences, U.S.S.R., Moscow.
(Phosphorus) (Rocks, Sedimentary)

BELYAYEVA, K.P.; GROZOVSKAYA, A.M.; ALEKSEYEV, I.M.; PICHUGIN, S.M.;
Prinimali uchastiye: ASTAKHOVA, G.V.; TSAREVA, Ye.G.; KORZINIA, G.P.

VL-08 wash primer. Lakokras.mat.1 ikh prim. no.3:23-25 '60.
(MIRA 14:4)

(Protective coatings) (Phosphoric acid)

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
COMMON ELEMENT																										COMMON ELEMENT																									
<p>CA</p> <p>Acetamidohydroxybenzoesarconic acid. G. A. KIRKHOFF and O. I. KORZINA. Russ. 28,008, Oct. 26, 1930. $\text{HCl} \cdot \text{H}_2\text{N}(\text{HO})\text{C}_6\text{H}_4\text{AsO}_3\text{H}_2$ is acetylated by means of Ac_2O in the presence of AcONa in concd. aq. soln.</p> <p>10</p>																																																			
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<p>p-Hydroxybenzenearsonic acid. G. A. KIRKHOFF, O. I. KORZINA, S. D. SHIVEL- and M. A. HAZVIRIN. Russ. 23,362, Oct. 31, 1931. $p\text{-HO-C}_6\text{H}_4\text{AsO}_3\text{H}_2$ is prepd by adding a diazotized soln. of $p\text{-H}_2\text{NC}_6\text{H}_4\text{OH}$ to a soln. of Na_3AsO_3 preliminarily heated to 65-75°</p>																																																			
<p>ASM-36A METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			

Arsenic acid. G. A. Kirkhof and O. I. Kotzina
Khem. Farm. Prom. 1933, 181-4. One mole of arsenic
anhydride, 224 cc. of H_2O and 0.1 g. of I are mixed in a
water-sealed flask and O is led in with agitation. The
temp. is raised to 100° , and 10 cc. of HNO_3 is added
through a thistle tube. All the anhydride should dissolve
and only the theoretical amt of O is required. Without
I the reaction is extremely slow.

ISOTERIC AND PHOSPHORIC ACIDS

O. I. KORZINA

Isovaleric acid. O. A. Kirzhnig, O. I. Korzina and R. Ya. Astrova. *Khim. Farm. Prom.*, 1962, 270-80.—The oxidation is conducted at higher temps. (25-30°). 4.4 kg. of iso-AmOH and 12.5 l. of H₂O are treated gradually with 6.35 kg. of K₂Cr₂O₇ in 10 l. of H₂O and 4.28 l. of H₂SO₄. After 1 hr. the mixt. is steamed, expg. the iso-AmOH from the aq. layer, which contains 1% of the iso-valeric acid. The operation is repeated, and the esterified acid is recovered by sapon. and fractionated. L. N.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDER																										3RD AND 4TH ORDER																									
PROCESSING AND PROPERTIES INDEX																																																			
<p>17</p> <p>Amphocaine. G. A. Kirkhof and O. I. Kovalev. Russ. Zh. Khim., Feb. 28, 1934. Aminophenylpyrimidine- arsonic acid in a H₂SO₄ medium is electrolytically reduced with Pb electrodes in the presence of an iodide as catalyst.</p>																																																			
<p>1ST AND 2ND ORDER</p> <p>3RD AND 4TH ORDER</p> <p>5TH AND 6TH ORDER</p> <p>7TH AND 8TH ORDER</p> <p>9TH AND 10TH ORDER</p> <p>11TH AND 12TH ORDER</p> <p>13TH AND 14TH ORDER</p> <p>15TH AND 16TH ORDER</p> <p>17TH AND 18TH ORDER</p> <p>19TH AND 20TH ORDER</p> <p>21ST AND 22ND ORDER</p> <p>23RD AND 24TH ORDER</p> <p>25TH AND 26TH ORDER</p> <p>27TH AND 28TH ORDER</p> <p>29TH AND 30TH ORDER</p> <p>31ST AND 32ND ORDER</p> <p>33RD AND 34TH ORDER</p> <p>35TH AND 36TH ORDER</p> <p>37TH AND 38TH ORDER</p> <p>39TH AND 40TH ORDER</p> <p>41ST AND 42ND ORDER</p> <p>43RD AND 44TH ORDER</p> <p>45TH AND 46TH ORDER</p> <p>47TH AND 48TH ORDER</p> <p>49TH AND 50TH ORDER</p> <p>51ST AND 52ND ORDER</p>																																																			

1ST AND 2ND COVERS										PROCESSING AND PROPERTIES INDEX										3RD AND 4TH COVERS									
<p><i>BC</i></p>										<p><i>A-1</i></p>										<p>COMMON ELEMENTS</p>									
																				<p>COMMON ELEMENTS</p>									
<p>Chromite synthesis. B. A. Kuznetsov, O. I. Kozmina, and E. Y. Anisimova (Zh. Fiz. Khim., 1964, 38, 11, 2211-2212). Technical FeCr_2O_4 (1 mol. in 400 g.) is aged for 3 days at -5°C with 1 mol. of H_2SO_4. FeCr_2O_4 is washed on a filter and the filtrate treated with H_2SO_4. Cr_2O_3 is washed on a filter. Alternatively Cr_2O_3 is washed on a filter to remove solution by CaCl_2, converted into $\text{CaCrO}_4 \cdot 2\text{H}_2\text{O}$ by boiling, washed, and decomposed by H_2SO_4. CaSO_4 is separated and the filtrate treated with H_2SO_4, as above.</p>																													
<p>Ch. Ana. (c)</p>																													
<p>ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																													
<p>1ST AND 2ND COVERS</p>										<p>PROCESSING AND PROPERTIES INDEX</p>										<p>3RD AND 4TH COVERS</p>									

ca

Borbital. G. A. Kirkhgud and O. I. Korzina., Russ.
61,750, Sept. 20, 1937. Glucose is electrolytically reduced
at pH 7 to 10 with a Hg cathode. The alky. is main-
tained by addn. of Al(OH)₃.

COMMON ELEMENTS

MATERIALS INDEX

ASME-SLA METALLURGICAL LITERATURE CLASSIFICATION

PERIODIC TABLE OF ELEMENTS

17

ca

Neonraphenamine. G. A. Kirkhede and Q. I. Kozlov. Russ. AS, 785, Aug. 31, 1938. Rongallie is treated with araphenamine in the presence of formalkchyle.

ASR-5LA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

5TH AND 6TH ORDERS

7TH AND 8TH ORDERS

9TH AND 10TH ORDERS

11TH AND 12TH ORDERS

13TH AND 14TH ORDERS

15TH AND 16TH ORDERS

17TH AND 18TH ORDERS

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77TH AND 78TH ORDERS

79TH AND 80TH ORDERS

81ST AND 82ND ORDERS

83RD AND 84TH ORDERS

85TH AND 86TH ORDERS

87TH AND 88TH ORDERS

89TH AND 90TH ORDERS

91ST AND 92ND ORDERS

93RD AND 94TH ORDERS

95TH AND 96TH ORDERS

97TH AND 98TH ORDERS

99TH AND 100TH ORDERS

USSR.

Polymers arsenic compounds. II. Preparation of various polymer homologs of Salvarsan by electrolytic reduction of 3-amino-4-hydroxyphenylarsonic acid. M. Ya. Knit, O. I. Korzina, and A. S. Mamonova (S. O. Chelomeyevskiy Khim. Obshch. Khim. 2, 1950-9(1953); cf. C.A. 45, 28401. By regulation of H overvoltage on the cathode it is possible to obtain $\text{HO}(\text{AsR})_2\text{OH}$ ($\text{R} = 3,4\text{-H}_2\text{N}(\text{HO})\text{C}_6\text{H}_3$) by reduction of 3-amino-4-hydroxyphenylarsonic acid. It is possible that the higher polymers are also products of somewhat greater degree of reduction. The phenomena of viscosity in Salvarsan solutions are very complex since there is no parallelity between the viscosity and the iodine constant of a given specimen. The reductions were run in a divided cell (porcelain cup) with Pb cathode and Pb anode in 3N H_2SO_4 electrolyte (with some KI added) and 3N H_2SO_4 anolyte; the reaction was run at 20-50° with c.d. 1-9 amp. per sq. decim. The products obtained at the different repeat values are characterized by the following number of repeat units: at 1 amp. 7.8, at 2 amp. 10.0, at 4 amp. 13.4, at 8 amp. 14.5. Relative viscosities of the various specimens are tabulated. III. Preparation of various polymer homologs of Salvarsan by reduction of 3-nitro(or amino)-4-hydroxyphenylarsonic acid by sodium hydroxide. M. Ya.

OVER

7. *See Report*

Kraft, O. P., Albitskaya, and A. S. Marozova. 1962. 1250-5.—To 40 g. NaCl and 50 g. cryst. Na₂CO₃ in 2 l. H₂O at 2° was added 500 g. 85% NaHSO₃, followed immediately by 80 g. 3-amino-4-hydroxyphenylarsonic acid (1), in 114 ml. 2N NaOH; at 15 min. the mixt. was heated to 60° for 1 hr. and the ppt. Salvarsan is filtered off, dissolved in aq. NaOH, clarified with C and acidified, yielding 74.7% Salvarsan sulfate, containing 30% As. This dissolved in aq. NaOH, clarified with C and treated with Na phosphite, filtered, and acidified with HCl gave Salvarsan HCl salt, which after washing and vacuum drying contained 31.39% As; iodine no. 0.18; the no. of repeating units in the polymer was 0.6 (av.). Reduction of 3-amino-4-hydroxyphenylarsonic acid (46.6 g.) with double amt. of hydrosulfite (164 g. 85%) gave 90.2% Salvarsan sulfate containing 30% As; this had 21 repeating units, as shown by iodine titration. A four-fold amount of hydrosulfite gave a similar product with 25 repeating units; a 9-fold excess of hydrosulfite gave a product with 10.2 repeating units. The Salvarsans from nitro acid show lesser iodine constant (degree of polymerization) than the products obtained by reduction of the amino acid. It is believed that toxicity of

Salvarsan is a function of its degree of polymerization: the larger molecules are less toxic since the relative proportion of phenolic groups is smaller. Reduction of 22.3 g. 3-amino-4-hydroxyphenylarsonic acid with a soln. prepared from 100 g. Ca hypophosphite and 200 ml. HCl in 700 ml. H₂O in the presence of a little KI gave 64% Salvarsan HCl salt contg. 20.51% As and having the number of repeating units 24.5; another similar run gave a product with 40 repeating units. Reduction with Na₂SO₃ in the presence of NaHSO₃ leads to lesser yields of Salvarsan. G. M. Koshchegoff

KORZINA, T.A.

YETS, A.G., dotsent, KORZINA, T.A.

Bilateral protrusio acetabuli. Ortop.travm. 1 protez 19 no.2:68-69
Mr-Ap '58 (MIRA 11:5)

1. Iz kliniki obshchey khirurgii (sav. - i.o. dots. G.A. Dudkevich)
Yaroslavskogo meditsinskogo instituta (dir. - prof. N.Ye Yarygin).
(ACETABULUM, abnorm.
bilateral protrusion (Rus))

SHEVTSOVA, Z.N.; KORZINA, Ye.N.; KORSHUNOV, B.G.

Interaction of praseodymium chloride with sodium and
potassium chlorides in melts. Zhur.neorg.khim. 7
no.11:2596-2599 N '62. (MIRA 15:12)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii
imeni Lomonosova.
(Praseodymium chloride) (Alkali metal chlorides)
(Fused salts)

GOLUBEVA, S.K., kand.tekhn.nauk; KRASUKHIN, M.N., kand.tekhn.nauk;
KURAYTIS, S.A., kand.tekhn.nauk; TOPOROVSKAYA, Kh.S., kand.tekhn.
nauk; FRENKEL', P.Ya., kand.tekhn.nauk; KORZINA, Ye.S., mladshiy
nauchnyy sotrudnik; FILIPPOVA, N.B., mladshiy nauchnyy sotrudnik

Works of the Central Scientific and Technical Institute of the
Leather and Footwear Industry in the field of tanning materials.
Nauch.-issl. trudy TSNIKP no. 30:27-46 '59. (MIRA 14:5)
(Tanning materials)

KORZINA, Z. G.

BURENIN, V.A., kandidat tekhnicheskikh nauk; KORZINA, Z.G., inzhener;
KUCHEROV, A.I., inzhener, nauchnyy redaktor; SKVORTSOVA, I.P.,
redaktor izdatel'stva; BOROVNEV, N.K., tekhnicheskiy redaktor

[Building schools and apartment houses of large concrete blocks;
experience in building demonstration structures] Stroitel'stvo
shkol'nykh i zhilykh zdaniy iz krupnykh betonnykh blokov; opyt
pokazatel'nogo stroitel'stva. Moskva, Gos.izd-vo lit-ry po stroit.
i arkhitekt., 1957. 87 p. (MLRA 10:8)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii stroitel'stva.
2. Otdel zhilishchnogo stroitel'stva Nauchno-issledovatel'skogo instituta organizatsii i mekhanizatsii stroitel'stva Akademii stroitel'stva i arkhitektury SSSR (for Burenin, Korzina)
(Apartment houses) (Schoolhouses)
(Precast concrete construction)